

intercom presents

2007

A HISTORICAL PERSPECTIVE OF THE YEAR AHEAD





MON	TUE	WED	THU	FRI	SAT	SUN
<div>NEW YEAR'S DAY</div> <div>1</div>	<div>2</div>	<div>3</div>	<div>4</div>	<div>5</div>	<div>6</div>	<div>7</div>
<div>MLK JR. BIRTHDAY</div> <div>8</div>	<div>9</div>	<div>10</div>	<div>11</div>	<div>12</div>	<div>13</div>	<div>14</div>
<div>PULL DOWN</div> <div>US MAIL</div> <div>15</div>	<div>16</div>	<div>17</div>	<div>18</div>	<div>19</div>	<div>20</div>	<div>21</div>
<div>JAN. 22, 1673</div> <div>AMERICAN POSTAL SERVICE BEGINS WITH ROUTES FROM NY TO BOSTON</div> <div>22</div>	<div>23</div>	<div>24</div>	<div>25</div>	<div>26</div>	<div>27</div>	<div>28</div>
<div>29</div>	<div>30</div>	<div>31</div>	<div>JANUARY</div>			

Photographer Tech. Sgt. Christopher J. Matthews captures the mood of the Honor Guard statue that keeps watch at the recently dedicated Air Force Memorial in Washington, D.C.






MON	TUE	WED	THU	FRI	SAT	SUN
		<div>MARCH</div> <div>Photographer Senior Airman Jeremy McGruffin follows Airman 1st Class Scott Vault through Okinawa's thick jungles during the comm Airman's first navigation mission in Japan.</div>			<div>MAR. 4, 1949</div> <div>U.S. AIRCRAFT IN THE BERLIN AIRLIFT PASS THE ONE MILLION TON MARK</div>	
5	6		7	8	9	10
				<div>MAR. 15, 1950</div> <div>THE JOINT CHIEFS OF STAFF GIVES THE AIR FORCE TOTAL RESPONSIBILITY FOR STRATEGIC GUIDED MISSILES</div>	<div>ST. PATRICK'S DAY</div>	11
12	13	14		16	17	18
		21	22	23	24	25
		<div>MAR. 27, 1943</div> <div>FIRST SEPARATE HQ FOR AACCS CREATED AT BOLLING FIELD</div>	28	29	30	31
	27					





MON	TUE	WED	THU	FRI	SAT	SUN
APRIL						
APR. 3, 1967 FIRST CHIEF MASTER SERGEANT OF THE AIR FORCE SELECTED	2	3	4	5	6	1
		 CM Sgt. Paul Airey becomes the first Chief Master Sgt. of the Air Force. He served as an airborne radio operator during WWII and led a team to create the Weighted Airman Promotion System. He also established the SNCO Academy.				EASTER
	9	10			13	8
			 1942 DOOLITTLE'S RAID ON JAPAN		14	15
	16	17			20	21
23						 APR. 29, 1918 LT. EDWARD RICKENBACKER SHOOT'S DOWN HIS FIRST OF 26 ENEMY AIRCRAFT DURING WWI
30		24	25	26	27	



MON	TUE	WED	THU	FRI	SAT	SUN
					MAY 5, 1961 ALAN B. SHEPARD BECOMES THE FIRST AMERICAN IN SPACE	
		1	2	3	4	5
		8	9	10	11	12
7	MAY 14, 1981 AFCC PROVIDES AIR TRAFFIC CONTROL, NAV, AND COMM SUPPORT TO THE SPACE SHUTTLE					MOTHER'S DAY
						
		15	16	17	18	19
		22	23	24	25	26
	21					
28	29	30	31			

MAY

The Sea Based X-Band Radar is the world's largest phased-array X-band radar to be carried aboard a mobile, ocean-going, semi-submersible oil platform. Photo by Navy Chief Journalist Joe Kane.



MON

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END

The Air Force continues to provide aid to the people of Pakistan ever since their devastating earthquake of October 2005 where 73,000 people were killed and 3.4 million left homeless. This photo by Master Sgt. Mike Buytas shows Army Sgt. Kornelia Rachwal assisting soon after the quake hit.

JUNE 6, 1944
D-DAY



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JUNE 26, 1948
U.S. INITIATES
BERLIN AIRLIFT



Retired Lt. Col. Gail Halvorsen, the famed "Candy Bomber," and West German children at play with model American aircraft.

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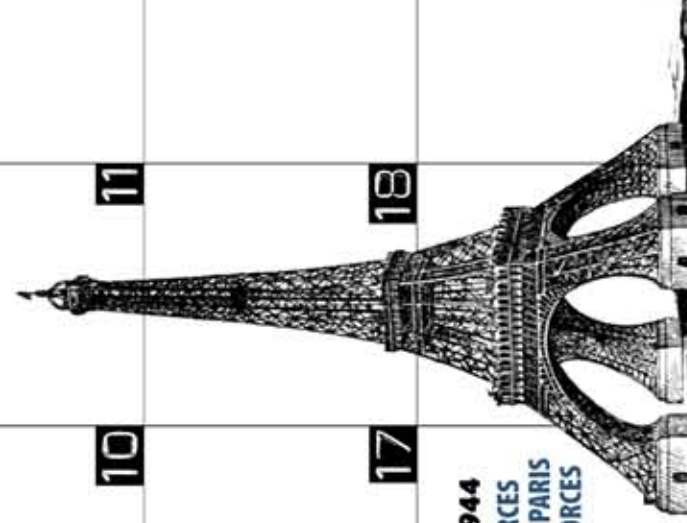

10

JUNE 23, 1977
AF LAUNCHES FIRST
SATELLITE FOR NAVSTAR
GLOBAL POSITIONING SYSTEM



FATHER'S DAY



MON	TUE	WED	THU	FRI	SAT	SUN
			AUG. 1, 1955 FIRST FLIGHT OF THE U2 SPY PLANE			
6	7	8	9	10	11	12
		AUG. 14, 1945 JAPAN SURRENDERS				
13	14	15	16	17	18	19
				AUG. 25, 1944 GERMAN FORCES SURRENDER PARIS TO ALLIED FORCES		26
20	21	22	23			
		AUG. 30, 1963 HOTLINE ESTABLISHED BETWEEN MOSCOW AND WASHINGTON				
27	28	29	30	31	AUGUST	

Capt. Michael Edmonston and Airman 1st Class Stephen Sadler man the controls of a MQ-1 Predator Unmanned Aerial Vehicle from the control room at Balad AB, Iraq. Both are from the 46th Expeditionary Reconnaissance Squadron there. Photo by Airman 1st Class Chad Kellum.



Flag of Heroes
We shall never forget them
and to give others in the future
the names of the heroes who
gave their lives for their country

MON	TUE	WED	THU	FRI	SAT	SUN
SEPTEMBER						
 LABOR DAY						
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Master Sgt. Kevin Gruenwald's photo of Nellis AFB and Las Vegas residents shows America will always remember those who lost their lives Sept. 11, 2001.



SEPT. 22, 1776
CAPT. NATHAN HALE HANGED BY THE BRITISH

"I REGRET THAT I HAVE BUT ONE LIFE TO LOSE FOR MY COUNTRY."







SEPT. 18, 1947
AIR FORCE ESTABLISHED



Gen. Carl A. Spaatz becomes the first Air Force Chief of Staff. He led the WWII air campaigns in North Africa and during the final days of Germany's defeat. He also supervised the final strategic bombing of Japan.



MON	TUE	WED	THU	FRI	SAT	SUN
<div>NOVEMBER</div> <div>The Color Guard from Bolling AFB, Md., performs for the Doolittle Raiders during ceremonies at the Air Force Memorial Nov. 10, 2006. The wreath was placed in remembrance of fallen Air Force members. Photo by Tech. Sgt. Cohen Young.</div>					NOV. 4, 1979 IRANIAN MILITANTS SEIZE U.S. EMBASSY IN TEHERAN	 <div>34</div>
5	 <div>NOV. 14, 1974 FIRST F-15 EAGLE DELIVERED TO TACTICAL AIR COMMAND</div>		8			 <div>1011</div>
12	13	14	15	16	17	18
19	20	21	THANKSGIVING 		24	25
26	27	28	29	30		

intercom

DECEMBER 2006 ★ VOLUME 47, NUMBER 12

THE JOURNAL OF THE AIR FORCE C4ISR COMMUNITY

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Chief Information Officer

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MAGAZINE AWARDS

2005
Best Magazine
DoD's Thomas Jefferson
Awards program & Air Force
Media Contest

Best Internal Magazine
Clarion Award * Women in
Communications

2003/2004
Most Improved Magazine
Clarion Award * Women in
Communications

Award of Excellence
- Internal Magazine
NAGC Blue Pencil
Competition

Best Online Newspaper
Air Force Media Contest

Best Designed Publication
DoD's Military Graphic Artist
Competition

mini-com

Journal of the Air Force C4ISR community ★ December 2006

This special edition has pretty much everything you normally see in the regular issue of the magazine, only mini-sized — brought to you so you can add this issue to your wall of calendars. Enjoy!

FROM THE EDITORIAL DESK

The Gift of Valor

I recently finished reading a superbly written book about Marine Cpl. Jason Dunham, a 22-year-old New York native who saved members of his patrol by placing his helmet and body on top of a grenade that had spilled out of an insurgent's hand while they were engaged in hand-to-hand combat in Iraq. As I read, I tried to imagine how I might feel as one who's life had been saved by Jason's actions that April 14, 2004.

The book is appropriately titled, "The Gift of Valor," because indeed his gift was most precious. The author, Michael Phillips, also chronicles the efforts to save Jason's life, but he died eight days later from his wounds. It is also fitting that President Bush recently awarded the Medal of Honor to him — one of only two given out during this War on Terror campaign (although I believe many more are certainly deserving).

It took awhile for the men in Jason's unit to piece together the events of that day and to realize that Jason's efforts were deliberate and thought out. Jason wasn't just in the way or a victim of a random act. He valued their lives more than his. He could have kicked the grenade out of the way or even could have run, but he had decided early on how he would respond.

And, actually, I don't have to imagine how I'd feel. I already know. Jason gave us all a gift, and it wasn't just service before self ... it was *others* before self. — Karen Petitt, Managing Editor



LETTER TO THE EDITOR

A funny thing

A funny thing happened to me when reviewing my e-mail recently. My son sent me a copy of the link to the Air Force Communications Agency's history page. I was gratified when I pulled up the link of "Past Senior Enlisted Advisors."

I was the first full time Senior Enlisted Advisor for the Air Force Communications Squadron.

As SEA, I found the tasks most challenging, but the end results most gratifying. Traveling to all command units, interacting with enlisted personnel and later reporting all problems relating to the health, welfare, training, and morale of our enlisted force back to the commander was the most satisfying part of my job. It should be noted that all the chiefs who succeeded me in the position were all Distinguished Graduates from our NCO Academy.

I retired from the Air Force in 1976, worked for the Social Security Administration in Phoenix for 20 years (and retired again), and since 1997 have served as a substitute teacher and volunteer with the Hamilton High School baseball team (two times State Champions).

I will be signing up for the *intercom* and again, thanks for the memories. I will be forwarding the AFCS History link and info to all our original AFCS NCO Academy staff.

retired Chief Master Sgt. Rick Rivard

"The old Left-hander rounding third and heading for home"

JAG IN A BOX

DSN: 779-6060
Send questions to:
AFCA-JA@scott.af.mil

• **Fritz Mihelcic**
• AFCA Deputy
• Chief Counsel

NEWS BRIEFS



Securing the perimeter with wire is just one "combat" task.

TRAINING

COMBAT COMM PREPARES AIRMEN

DRIVING CONVOYS, building defensive fighting positions and throwing elbows in hand-to-hand combat were all taught at a recent combat readiness course at Bitburg Air Base, Germany.

The 1st Combat Communications Squadron trained 33 newcomers at the mandatory course, which prepares Airmen for hostile locations.

The course is designed to teach the basics such as how to set up tents, how to keep bugs out of combat boots and how to properly use camouflage paint. Once Airmen have set up camp, more combat-oriented skills are tested to include self-aid and buddy care, convoy driving, a hostile enemy weapons search and operating in chemical warfare gear. Courses are run by a full-time cadre team of seven 1st CBCS experts. The cadre's job is to provide realistic training to squadron members while ensuring their safety. They use the help of opposition forces, or OPFOR, who are usually volunteers from past combat courses, to run scenarios by the course's Airmen. — Capt. Erin Dorance, 86th AWPA

POW-MIA RETREAT



Airman Jonathan Snyder / 354th CS

Promising "never to forget," Airman 1st Class Ramsey Gardner performs during a POW-MIA retreat ceremony at Heritage Park on Eielson Air Force Base, Alaska. He's from the 354th Communication Squadron there.

LEADERSHIP ISSUES

COMUSAFE: UNMANNED AIRCRAFT KEY TO U.S. DECISION SUPERIORITY

THE IMPORTANCE leaders put on the unmanned aircraft system, or UAS, in air, space and cyberspace missions of the Air Force and NATO will be key to future decision superiority, said the commander of U.S. Air Forces in Europe.

Acting in his role as director of the multinational Joint Air Power Competence Center, Gen. William T. Hobbins spoke at the annual JAPCC Air Power Conference in Germany during October.

General Hobbins, whose other hats include commander of the Allied Air Component Command, Ramstein, and commander of the European Command air component, said that 40 countries are operating more than 80 types of unmanned aerial

vehicles. The United States has at least 18 types and is operating 3,000 unmanned aircraft. Current figures from the JAPCC indicate that 17 NATO nations have more than 25 operational models of aircraft, with more than 3,600 operational unmanned aircraft in NATO.

"With all these aircraft flying around ... the issues now are air space management, command and control, integration and interoperability and force development," he said.

General Hobbins explained how missions for UAS have expanded from the traditional reconnais-

sance, surveillance and target acquisition missions to 36 nontraditional applications, including digital mapping, and day and night strike. The general described his vision for future UAS capabilities.

"We should be capable of flying both manned and unmanned platforms together, to include multiple unmanned airframes controlled by one operator. And we need commanders to have the confidence that unmanned or manned, it doesn't make a difference as they are equally effective." — Capt. Elizabeth Culbertson, USAFE PA





Tech. Sgt. Shane A. Cuomo / AFNEWS

FIRST AID

AUTOMATION HELPS FIRST RESPONDERS

EXPERTS WITH THE Aeronautical System Center's Enterprise Knowledge Management office may have found a way to help teams respond to disasters faster and more effectively.

Mike Hucul, EKM program manager, said his team is working to automate some of the functions of Air Force command posts, battlestuffs and disaster control groups to

enhance disaster response.

For instance, the team has recommended disaster control group members use pocket personal computers instead of notebooks and checklists.

The commercially available pocket PCs could be networked to allow security forces, medics, firefighters and other responders to log in, see what data they are responsible for collecting and upload that

information directly to the system. Information such as map coordinates for the accident scene, casualty numbers, identification of hazardous materials and need for a certain number of ambulances could be fed more rapidly to those in the battlestaff and command post.

Additionally, situation reports could be almost totally automated.

The team recently received funds to continue work on command post prototype software they'd begun developing at Ramstein.

Given money and time, Mr. Hucul said the team thinks it could also provide valuable help to other community emergency responders and teams who need to communicate quickly. — *JoAnne Rumble, ASC PA*

WARFARE

TEAMS TO DEVELOP NET OPS COURSE

THE AIR FORCE cyberspace tiger team and the 39th Information Operations Squadron have set the groundwork for the Air Force's first network warfare operations curriculum.

One of the Air Force's major initiatives is to establish and administer a basic, initial qualification NWO course by June 2007.

"The Air Force does a great job of producing operators who can install and maintain our networks," said Maj. Kiley Weigle, leader of the NWO school effort. "However, there's no formal training program out there to teach our Airmen how to actively defend or attack a network."

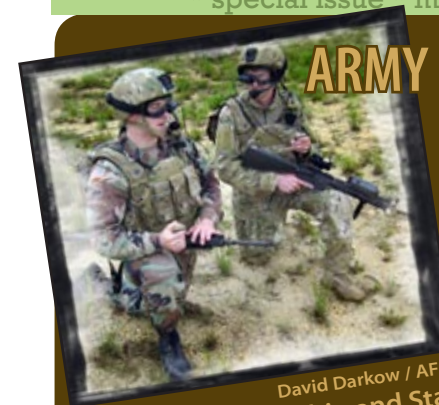
The basic, initial qualification course is predicted to be eight to 10 weeks long and will accommodate 25 students per class. It will be taught at the Air Force's information operations schoolhouse, the 39th IOS, at Hurlburt Field, Fla.

The target audience for the initial course includes Airmen in communications, engineering, and intelligence career fields. There are prerequisites and a screening process because the course is set to be very demanding.

It's the first step toward formal development of what has been called "digital green berets."

Col. Gregory Rattray, team leader, said, "We must develop a force of trained, proficient operators to ensure the Air Force can dominate cyberspace."

— *1st Lt. Heather Alden, 39th IOS*



David Darkow / AFRL
Army Spc. Chad Tobin and Staff Sgt. Stephan Simmins participate in a training exercise at Fort Dix, N.J., that featured Air Force technology such as goggle-mounted displays.

ARMY PRAISES AF FOR BATTLEFIELD IMPROVEMENTS

Two Air Force Materiel Command units recently teamed with the Army to experiment with bridging the communications gap between ground-based Army troops and tactical air control party, or TACP, Airmen. To improve the targeting process, the Air Force worked with the Army to demonstrate the feasibility of using Cursor on Target, an open system architecture, for sending target-specific digital images and location coordinates over wireless networks. The Air Force also showcased the Windows-based FalconView™ information management system. The Army experimented with this system, which displays various types of maps and geographically referenced overlays, and speech recognition software for hands-free computer control and goggle mounted "look down" displays. The use of voice commands to enter coordinate changes is important for enabling heads-up operation of the computer systems in the field, and cuts data-entry tasks down significantly. With Cursor on Target, soldiers can pass key targeting information directly between Army light infantry troops and TACPs. When a field commander moves his cursor over a target and clicks, the cursor sends target data to ground and airborne commanders to initiate firepower.

— *John Schutte, AFMC*

FUTURE FORCES

8TH AF BECOMES NEW CYBERSPACE LEAD

DURING A WASHINGTON press conference, Secretary of the Air Force Michael W. Wynne announced that 8th Air Force would become the new Air Force Cyberspace Command, under the leadership of Lt. Gen. Robert J. "Bob" Elder Jr.

Secretary Wynne said the 67th Network Warfare Wing, now under 8th Air Force, and other elements already within the 8th, would provide "the center of mass" for the nascent Cyberspace Command.

The secretary also said Air Combat Command, Air Force Space Command and Air Force Materiel Command are working to develop the new Cyberspace Command, while Air Force personnel specialists are working to develop educational plans and career

paths for those Airmen who will work within the new command.

"The aim is to develop a major command that stands alongside Air Force Space Command and Air Combat Command as the provider of forces that the president, combatant commanders and the American people can rely on for preserving the freedom of access and commerce, in air, space and now cyberspace," Secretary Wynne said.

Air Force leaders began detailed planning for the new Cyberspace Command

in November at the Cyber Summit. During the summit, Air Force leaders began charting a way ahead for the Air Force's role in cyberspace, also called the cyber domain. — *Staff Sgt. C. Todd Lopez, AFPN*



The aim is to develop a major command that the American people can rely on for preserving the freedom of access and commerce, in air, space and now cyberspace ...

TRI-BAND TERMINAL



Airman 1st Class Alesia Goosic / 355th CS

Tech. Sgt. Mark McKay sets up a USC-60 tri-band satellite terminal at Davis-Monthan Air Force Base, Ariz., in preparation for exercise Bushwacker 07-01. He's from the 355th Communications Squadron there. The exercise is designed to test the wing's ability to deploy.

HOLD ON



Master Sgt. Mike Buytas / 1st CTCS

After being shot in the shoulder by a sniper, Army Sgt. 1st Class Billy McDowell takes comfort from fellow comrade-in-arms, Staff Sgt. Joseph Bruning. Both were on patrol in Baghdad with the 172nd Stryker Brigade Combat Team.



Bert Beavers

Remembering the early years

TIME MACHINE

By 1st Lt. Heather M. Alden
39th Information Operations Squadron

HURLBURT FIELD, Fla. — Bert Beavers has seen many changes in the Air Force since she enlisted in October of 1949, when the service was just two years old and ramping up for the Korean War.

She served in its infancy as a teletype operator and followed the Air Force's progress throughout her husband's career. Now a resident of the Air Force Enlisted Village, she sits down to recall fond memories of those early days.

A Houston, Texas, native, Bert attended a nine-week basic training at Lackland AFB, Texas, where she experienced some of the same things today's trainees do. She recalls with laughter how her squad leader, a New Jersey native, would exclaim, "Goss, girls, goss!" in her native accent to let the girls know they had 30 seconds to don their gas masks during a gas chamber drill.

Another experience she recalls is the marching. "I volunteered to be the squad leader and march the formation from the barracks to the chow hall. I got them going real good. There must have been 100 girls. Then I looked down the road and saw a 90-degree turn, and I couldn't figure out which foot to call the command on. I marched the girls right into a ditch. The squadron leader quickly resumed command, and I went quietly back into the formation."

While at basic training, Bert participated in many firsts for women. She was in the first all-woman retreat, and she played baritone in the first Women's Air Force band. One thing she did not participate in was "bivouac," or field training. The bivouac was required for men, but not for women.

Bert attended teletype operator technical school at F.E. Warren AFB in Cheyenne, Wyo., and then went to Langley AFB, Va., for her first duty station. Teletype was the way the Air Force sent messages from base to base.

"Communications back then was nothing like it is now!" she said. The teletype messages were sent on little pieces of tape that had perforations in them for each letter. The tape, which had routing information on it, was put into a transmitter box and sent all over the world using electronic impulses based on the routing and tape perforations. Part of Bert's training was to learn how to read the holes punched in the tape. "I was one of the top ones!" she said.

While working at Langley, Bert fell in love with her supervisor, Kelly, and they were married just before he shipped off to Korea for 13 months. They couldn't get married in Virginia because the law said males had to be 21; females, 18. Kelly was just 20. So, they took a cab to Elizabeth City, N.C., and found a justice of the peace's house near midnight, whereupon he had to wake his own mother who, along with the taxi driver, bore witness to the marriage. Kelly and Bert were married nearly 50 years before his passing. They had three children together.

While Kelly was in Korea, Bert started a new career path as a Public Information Officer and learned newspaper, television and radio reporting. When Bert returned to Langley, her new job was in the radio room at the hospital. The room hadn't been used in years; it contained stacks of records that hadn't been logged in or categorized. Bert started a radio request show for the hospital patients. Her radio name was "Lil Marge," based on a favorite radio show DJ from when she was younger. Bert wrote her own radio scripts and played music and historical "We Where There" snippets.

When many teletype operators were deployed to Korea, Bert was called back to her primary career field, and finished out her Air Force career as a teletype operator. Bert got out in 1951 and Kelly continued to serve through the Vietnam War, where he earned the Bronze Star. He retired as a Chief after 27 1/2 years on active duty.

mini-lithos

Editors' picks for favorite lithos in "mini-version"

To the world you might be
ONE PERSON
but to one person you might be
THE WORLD



1st Lt. Heather M. Alden, a member of the 39th Information Operations Squadron, is shown here with her newborn son, Kelly, in a hospital hallway. The photo was taken by Staff Sgt. Karen L. Smith.

LIVE AS BRAVE MEN;
AND IF FORTUNE IS ADVERSE,
FRONT ITS BLOWS WITH BRAVE HEARTS.
Cicero (106 BC - 43 BC)



Photo by Staff Sgt. Karen L. Smith.



I WILL ALWAYS DO MY **DUTY** NO MATTER WHAT THE PRICE
I'VE COUNTED UP THE COST, I KNOW THE **SACRIFICE**
I DON'T WANT TO **DIE** FOR YOU, BUT IF DYING'S ASKED OF ME
I'LL BEAR THAT CROSS WITH **HONOR**

'CAUSE FREEDOM DON'T COME **FREE**

Reputation is what others know about you.
HONOR
is what you know about yourself.





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2007

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